

Post-Test Hazards of Excavations

1. The greatest risk from excavations is cave-ins.
 - a. True
 - b. False
2. A competent person needs to inspect trenches daily.
 - a. True
 - b. False
3. Work done in a trench can cause an atmospheric hazard.
 - a. True
 - b. False
4. Water causes the sides of an excavation to become less stable.
 - a. True
 - b. false
5. How far away do spoil piles need to be?
 - a. 5 feet
 - b. 8 feet
 - c. 2 feet
 - d. 10 feet
6. All the following can cause a cave-in except:
 - a. Water
 - b. Heavy equipment near by
 - c. Spoil pile to close to excavation
 - d. Inspection by competent person
7. Carbon Monoxide bonds with the cells hemoglobin:
 - a. The same as oxygen's
 - b. 200 times stronger than oxygen's bond
 - c. 20 times tighter than oxygen's bond
 - d. None of the above
8. Room oxygen content is:
 - a. 23%
 - b. 19.5%
 - c. 21%
 - d. 25%

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9. How many amps does it take to cause cardiac arrest?
- 1 A
 - 50 mA
 - 4 A
 - 75 mA
10. Safe access and egress to all excavations is required:
- Within 50'
 - Within 25'
 - Within 10'
 - Every 40 feet
11. Ergonomics is:
- The study of soil
 - The classification of soil
 - Study of how environmental factors affect the body
 - All the above
12. Equipment close to excavations can cause all the following except:
- Carbon monoxide build up
 - cave-in
 - Equipment falling into trench
 - Stabilize the wall by vibrating soil around excavation
13. How many types of cave-in protection are there?
- 4 main types
 - 3 main types
 - 1 main type
 - 2 main types
14. How much does a cubic yard of soil weigh?
- 3000 lbs.
 - 2000 lbs.
 - 100 lbs.
 - 1000 lbs.
15. How many workers died in cave-ins from 2000 through 2006?
- 300
 - 450
 - 271
 - 200

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